

Serial No. 10/631,199
Attorney Docket No. AMDSPG0495USA

Reply to Office Action Dated August 27, 2004
Reply Dated September 16, 2004

REMARKS

Following entry of the above amendment, claims 15-40 will be pending. Claims 15-20 are withdrawn. Claims 21 and 31 have been amended to clarify further the construction and function of a charge trapping layer and isolation barrier within the dual bit memory cell in accordance with the invention. Specifically, the method includes forming a charge trapping layer positioned between the tunnel dielectric layer and the top dielectric layer from the charge trapping material. The charge trapping layer includes a source charge trapping region towards one end of the charge trapping layer, and a drain charge trapping region towards an opposite end of the charge trapping layer. Moreover, an isolation barrier interposed between the source charge trapping region and the drain charge trapping region. The isolation barrier is substantially less conductive relative to the source charge trapping region and the drain charge trapping region. As a result, it functions to reduce charge spread through the charge trapping layer between the source charge trapping region and the drain charge trapping region. No new matter has been added. Thus, the amendment is considered proper. Accordingly, the applicants respectfully request entry of this amendment.

I. RESTRICTION

The Examiner has required restriction to one of the following inventions:

Invention I: Claims 15-20; and

Invention II: Claims 21-40.

Election is hereby made of Invention II (Claims 21-40). This election is made with traverse.

II. CONCLUSION

In light of the foregoing, it is respectfully submitted that the present application is in condition for allowance and notice to that effect is hereby requested. If it is determined that the application is not in condition for allowance, the Examiner is invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present invention.

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It is believed that the election is timely made by applicant and therefore no fee is due.
However, any fee(s) resulting from this communication is hereby authorized to be charged to our
Deposit Account No. 18-0988; Our Order No. AMDSPG0495USA.

Respectfully submitted,
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